

ATTORNEY DOCKET NO: 71213

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : GMEINER
Serial No : 10/723,695
Filed : November 24, 2003
For : METHOD AND DEVICE...
Dated : February 12, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In accordance with Applicant's duty of disclosure Applicant is hereby submitting the following references which have been cited in a corresponding German Patent Application.

Applicant is also enclosing a copy fo the German Search Report.

- DE 689 20 212 is a German Patent Office Publication having a publication date of January 3, 1990. This reference describes a robot with an arm end that holds a tool. The robot controls the arm end to track a taught path so that a reaction force between a workpiece and the tool remains constant. A translation of this reference is not available to Applicant. However Applicant is enclosing an English abstract. Applicant also notes that this reference corresponds to European Patent Application EP 0 349 291 which is enclosed, and U.S. Patent 4,967,127.

- DE 689 18 318 is a German Patent Office Publication having a publication date of October 11, 1989. This reference describes a real time tracking controller for a standard-path robot that detects a target point in advance, permitting higher speed work. A translation of this

reference is presently unavailable. However Applicant is enclosing a copy of an English abstract. This reference also corresponds to European Patent Application EP 0 336 342, which is in the English language and a copy is enclosed. This reference also corresponds to U.S. Patent 5,006,999.

- DE 195 07 561 is a German Patent Office Publication having a publication date of September 14, 1995. This reference describes a method for numerically controlled machines with a base reference to a tool clamp reference interpolation. An English translation of this reference is presently unavailable. However Applicant is enclosed an English abstract.

- DE 196 26 459 is a German Patent Office Publication having a publication date of January 8, 1998. This reference describes a process and device for teaching a program-controlled robot with respect to work or path points on the workpiece. The work or path points are determined with a handheld device that has one or more position reporters. An English translation is presently unavailable. However Applicant is enclosing an English abstract.

- DE 196 14 232 is a German Patent Office Publication having a publication date of March 3, 1998. This reference describes a numerical control method and a numerical control device which progressively analyzes a machine program stored in a storage device, computes a migration rate and a feed speed in each axial direction from an instructed moving position of a tool, and a feed speed of the tool in an interpolating section. An English translation of this reference is presently unavailable. However Applicant is enclosing an English abstract. Applicant notes that this reference corresponds to U.S. Patent 5,723,962.

- DE 198 57 436 is a German Patent Office Publication having a publication date of

June 21, 2000. This reference describes a method for handling a voltage drop in a control unit of a robot with a PC control that minimizes the time of a plant stoppage and avoids wasteful process interruptions. A translation of this reference is presently unavailable to Applicant. However Applicant is enclosing an English abstract. Applicant also notes that this reference corresponds to U.S. Patent 6,356,806.

- DE 196 48 430 is a German Patent Office Publication having a publication date of May 28, 1998. This reference describes a method for processing workpieces made of plastic, especially in combination with other materials, whereby a processing tool is controlled by a device of stored path data, and runs through a predetermined 3-dimensional path for the processing of the workpiece. A translation of this reference is presently unavailable to Applicant. However Applicant is enclosing an English abstract.

- U.S. 5,737,500 is a U.S. Patent Office Publication having a publication date of April 7, 1998. This reference describes a mobile redundant dexterous manipulator with a seven degree of freedom robot arm mounted on a one degree of freedom mobile platform with a six degree of freedom end effector including a realtime control system with multiple modes of operation.

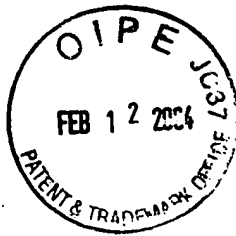
Favorable action on the merits of this application is respectfully requested.

Respectfully submitted
for Applicant,

By: _____



Theobald Dengler
Registration No. 34,575
McGLEW AND TUTTLE, P.C.



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Enclosed: PTO-1449 Forms
German Office Action
copies of (9) References

DATED: February 12, 2004
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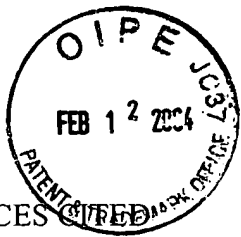
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BY: _____

Jonathan Tuttle

DATE: February 12, 2004



LIST OF REFERENCES
BY APPLICANT
(Use several sheets if necessary)

Atty Docket No.: 71213
 Ser. No.: 10/723,695
 Applicant: GMEINER
 Filing Date: November 24, 2003
 Group:

U.S. PATENT DOCUMENTS

Ex- aminer Initial	Document No.	Date	Name	Class	Sub- class	Filing Date
	<u>4,967,127</u>	<u>Oct. 30, 1990</u>	<u>Ishiguro et al.</u>			<u>June 23, 1989</u>
	<u>5,006,999</u>	<u>April 9, 1991</u>	<u>Kuno et al.</u>			<u>March 31, 1989</u>
	<u>5,723,962</u>	<u>March 3, 1998</u>	<u>Mizukami et al.</u>			<u>March 12, 1996</u>
	<u>6,356,806</u>	<u>March 12, 2002</u>	<u>Grob et al.</u>			<u>Dec. 10, 1999</u>

FOREIGN PATENT DOCUMENTS

Ex- aminer Initial	Document No.	Date	Country	Class	Sub- class	Translation Yes/No
	<u>EP 0 349 291</u> /	<u>Jan. 3, 1990</u>	<u>Europe</u>			<u>Yes</u>
	<u>EP 0 336 342</u> /	<u>Oct. 11, 1989</u>	<u>Europe</u>			<u>Yes</u>

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Ex- aminer Initial	Author	Date	Title	Textbook in	Translation Yes/No

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Art Unit	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
		DE 689 18 318 T2 J	9-21-1994	Kabushiki...		
		DE 689 20 212 T2 ✓	12-28-1994	Toyota...		
		DE 195 07 561 A1 /	9-14-1995	Siemens AG		
		DE 196 26 459 C2 ✓	9-2-1999	Kuka...		
		DE 196 14 232 A1 ✓	10-24-1996	Mitsubishi...		
		DE 198 57 436 A1 ✓	6-21-2000	Kuka...		

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
		DE 196 48 430 A1 ✓	5-28-1998	Heidel GmbH...		

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